

# **APPENDIX K**

**Suffolk County Department of Health Services  
Test Well Water Sampling Results  
February 29, 2016**

## COUNTY OF SUFFOLK



STEVEN BELLONE  
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

JAMES L. TOMARKEN, MD, MPH, MBA, MSW  
Commissioner

February 29, 2016

John C. Ehlers, L.S.  
6 East Main St.  
Riverhead, NY 11901

|                     |  |
|---------------------|--|
| <b>Re:</b>          | <b>The Orchards Subdivision Test Wells</b>                         |
| Private Request #:  | PR15-0282  |
| Health Dept. Ref. # | S10-13-0005  |
| Sample location:    | Orchard St. and Platt Rd., S-13350T, Well #1 and S-13351T, Well #2 |
| Tax Map #           | 1000-27-01-03  |
| Sample date:        | 11/17/15   |

Dear Mr. Ehlers:

The above referenced well has been sampled and the complete water analysis is enclosed for your review. The well results have been forwarded to Mr. James McGuire in the Office of Wastewater Management. At the time of sampling, the water met NYSDOH Drinking Water Standards and SCDHS test well standards.

Please note trace concentrations of one or more Semi-Volatile organic compounds (SVOC's) and Herbicide Metabolites were detected in both test wells. These concentrations are within the MCL's established by NYSDOH for drinking water. The department's SVOC analysis looks for certain pesticides and chemicals, mostly man-made, that might possibly be found in residential or commercial wastewater. Some of these chemicals include medicines, food additives, insect repellants, plasticizers, and "inert" ingredients in other chemical formulations.

If you have any questions concerning this analysis, feel free to contact this office. Be sure to have your Private Request # available when making inquiries to this office concerning this water sample.

Sincerely,

Anthony J. Condos  
Public Health Sanitarian  
Bureau of Drinking Water

Enc. Results

c. J.T. McGuire, SCDHS OWM  
Steven Martocello ✓  
Jeff Gregor



**Public Health**  
Prevent. Promote. Protect.

OFFICE OF WATER RESOURCES - DIVISION OF ENVIRONMENTAL QUALITY  
360 Yaphank Avenue, Suite 1-C, Yaphank, NY 11980  
(631) 852-5810 Fax (631) 852-5787

Requestor Name: JOHN C. EHLERS LAND SURVEYOR  
 Location: ORCHARD STREET, ORIENT  
 Sample Location: S-133851T W#2  
 Treatment: NONE

Request No.: PR15-0282  
 Sample Date: 11/17/2015  
 Sanitarian: KRAKOWSKI  
 Field No.: 366-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO<sub>3</sub>. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

|  |   |     |            | <u>Result</u>           | <u>MCL</u> |     |       |      |  | <u>Result</u> | <u>MCL</u> |
|--|---|-----|------------|-------------------------|------------|-----|-------|------|--|---------------|------------|
| ===== Results for Sample Group: ALDICARB PESTICIDES analyzed by Suffolk County Department of Health Services ===== |   |     |            |                         |            |     |       |      |  |               |            |
| Total Aldicarb (calc).....   | < | 0.  | ug/L       | Carbaryl.....           | <          | 0.5 | 50.00 | ug/L |  |               |            |
| Aldicarb.....  | < | 0.5 | 3.00 ug/L  | 1-Naphthol.....         | <          | 0.5 | 50.00 | ug/L |  |               |            |
| Aldicarb-Sulfoxide.....  | < | 0.5 | 4.00 ug/L  | Methomyl.....           | <          | 0.5 | 50.00 | ug/L |  |               |            |
| Aldicarb-Sulfone.....  | < | 0.5 | 2.00 ug/L  | Propoxur (Baygon).....  | <          | 0.5 | 50.00 | ug/L |  |               |            |
| Carbofuran.....  | < | 0.5 | 40.00 ug/L | Methiocarb.....         | <          | 0.5 | 50.00 | ug/L |  |               |            |
| 3-Hydroxycarbofuran.....   | < | 0.5 | 50.00 ug/L | Methiocarb sulfone..... | <          | 0.5 | 50.00 | ug/L |  |               |            |
| Oxamyl.....  | < | 0.5 | 50.00 ug/L |                         |            |     |       |      |  |               |            |

|   |   |      |            |                                  |   |      |            |
|---|---|------|------------|----------------------------------|---|------|------------|
| ===== Results for Sample Group: CHLORINATED PESTICIDES analyzed by Suffolk County Department of Health Services ===== |   |      |            |                                  |   |      |            |
| alpha-BHC.....  | < | 0.2  | 5.00 ug/L  | 4,4-DDD.....                     | < | 0.2  | 5.00 ug/L  |
| beta-BHC.....   | < | 0.2  | 5.00 ug/L  | 4,4-DDT.....                     | < | 0.2  | 5.00 ug/L  |
| gamma-BHC (Lindane).....  | < | 0.02 | 0.20 ug/L  | Endrin.....                      | < | 0.01 | 2.00 ug/L  |
| delta-BHC.....  | < | 0.2  | 5.00 ug/L  | Chlordane.....                   | < | 0.2  | 2.00 ug/L  |
| Heptachlor.....   | < | 0.04 | 0.40 ug/L  | Alachlor.....                    | < | 0.2  | 2.00 ug/L  |
| Heptachlor epoxide.....   | < | 0.02 | 0.20 ug/L  | Methoxychlor.....                | < | 0.1  | 40.00 ug/L |
| Aldrin.....   | < | 0.2  | 5.00 ug/L  | Endosulfan II.....               | < | 0.2  | 5.00 ug/L  |
| Dieldrin.....   | < | 0.2  | 50.00 ug/L | Endosulfan Sulfate.....          | < | 0.2  | 50.00 ug/L |
| Endosulfan I.....   | < | 0.2  | 5.00 ug/L  | 1,2-dibromoethane.....           | < | 0.01 | 0.05 ug/L  |
| Dacthal.....  | < | 0.2  | 50.00 ug/L | 1,2-dibromo-3-chloropropane..... | < | 0.02 | 0.20 ug/L  |
| 4,4-DDE.....  | < | 0.2  | 50.00 ug/L |                                  |   |      |            |

|   |   |    |            |                                   |   |    |            |
|---|---|----|------------|-----------------------------------|---|----|------------|
| ===== Results for Sample Group: DACTHAL PESTICIDES analyzed by Suffolk County Department of Health Services ===== |   |    |            |                                   |   |    |            |
| Monomethyltetrachloroterephthalate.....   | < | 5. | 50.00 ug/L | Tetrachloroterephthalic acid..... | < | 5. | 50.00 ug/L |

|  |   |     |            |  |  |  |  |
|--|---|-----|------------|--|--|--|--|
| ===== Results for Sample Group: DIOXANE analyzed by Suffolk County Department of Health Services ===== |   |     |            |  |  |  |  |
| 1,4-Dioxane.....   | < | 0.2 | 50.00 ug/L |  |  |  |  |

|  |   |     |            |                                |   |     |            |
|--|---|-----|------------|--------------------------------|---|-----|------------|
| ===== Results for Sample Group: HERBICIDE METABOLITES analyzed by Suffolk County Department of Health Services ===== |   |     |            |                                |   |     |            |
| Didealkylatrazine (G-28273).....   | < | 0.8 | 50.00 ug/L | Metolachlor.....               | < | 0.2 | 50.00 ug/L |
| Deisopropylatrazine (G-28279).....   | < | 0.2 | 50.00 ug/L | Tebuthiuron.....               | < | 0.3 | 50.00 ug/L |
| Desethylatrazine (G-30033).....  | < | 0.4 | 50.00 ug/L | Caffeine.....                  | < | 0.2 | 50.00 ug/L |
| Imidacloprid.....  | < | 0.2 | 50.00 ug/L | Dinoseb.....                   | < | 0.3 | 7.00 ug/L  |
| Imidacloprid Urea.....   | < | 0.2 | 50.00 ug/L | Bisphenol A.....               | < | 0.2 | 50.00 ug/L |
| Alachlor OA (Oxanilic Acid).....   | < | 0.4 | 50.00 ug/L | Diuron.....                    | < | 0.2 | 50.00 ug/L |
| Alachlor ESA (Sulfonic Acid).....  | < | 0.2 | 50.00 ug/L | Phenytion (Dilantin).....      | < | 0.2 | 50.00 ug/L |
| Metolachlor metabolite (CGA-37735).....  | < | 0.2 | 50.00 ug/L | 4-Hydroxyphenytion.....        | < | 0.5 | 50.00 ug/L |
| Metolachlor OA (CGA-51202).....  | < | 0.3 | 50.00 ug/L | Diethyltoluamide (DEET).....   | < | 0.2 | 50.00 ug/L |
| Metolachlor ESA (CGA-354743).....  | < | 0.3 | 50.00 ug/L | Acetaminophen.....             | < | 0.2 | 50.00 ug/L |
| Metolachlor metabolite (CGA-41638).....  | < | 0.3 | 50.00 ug/L | Bisphenol B.....               | < | 0.2 | 50.00 ug/L |
| Metolachlor metabolite (CGA-40172).....  | < | 0.3 | 50.00 ug/L | Estrone.....                   | < | 0.2 | 50.00 ug/L |
| Metolachlor metabolite (CGA-67125).....  | < | 0.3 | 50.00 ug/L | 17 alpha Ethynylestradiol..... | < | 0.5 | 50.00 ug/L |
| 2-HydroxyAtrazine (G-34048).....   | < | 0.3 | 50.00 ug/L | Diethylstilbestrol.....        | < | 0.5 | 50.00 ug/L |
| Malaonoxon.....  | < | 0.2 | 50.00 ug/L | 17 beta Estradiol.....         | < | 0.5 | 50.00 ug/L |
| Trichlorfon.....   | < | 0.3 | 50.00 ug/L | 4-Androstene-3,17-dione.....   | < | 2.  | 50.00 ug/L |
| Siduron.....   | < | 0.3 | 50.00 ug/L | Picaridin.....                 | < | 2.  | 50.00 ug/L |
| Dichlorvos.....  | < | 0.6 | 50.00 ug/L | Propachlor ESA.....            | < | 0.2 | 50.00 ug/L |
| Propamocarb hydrochloride.....   | < | 0.3 | 50.00 ug/L | Propachlor OA.....             | < | 0.3 | 5.00 ug/L  |
| 2,6-Dichlorobenzamide.....   | < | 0.5 | 50.00 ug/L | Testosterone.....              | < | 0.3 | 50.00 ug/L |
| Ibuprofen.....   | < | 0.2 | 50.00 ug/L | Equilin.....                   | < | 0.7 | 50.00 ug/L |
| Gemfibrozil.....   | < | 0.4 | 50.00 ug/L | Estriol.....                   | < | 0.7 | 50.00 ug/L |
| Metalaxyl.....   | = | 0.3 | 50.00 ug/L |                                |   |     |            |

|   |   |       |              |  |   |       |              |
|---|---|-------|--------------|--|---|-------|--------------|
| ===== Results for Sample Group: METALS analyzed by Suffolk County Department of Health Services ===== |   |       |              |  |   |       |              |
| Lithium.....  | < | 1.    | ug/L         | Cadmium (Cd).....                      | < | 1.    | 5.00 ug/L    |
| Beryllium (Be).....   | < | 0.2   | 4.00 ug/L    | Tin.....                               | < | 0.5   | ug/L         |
| Aluminum (Al).....  | = | 7.    | ug/L         | Antimony (Sb).....                     | < | 0.2   | 6.00 ug/L    |
| Titanium (Ti).....  | < | 1.    | ug/L         | Tellurium.....                         | < | 0.5   | ug/L         |
| Vanadium (V).....   | < | 1.    | ug/L         | Barium (Ba).....                       | = | 16.   | 2000.00 ug/L |
| Chromium (Cr).....  | < | 1.    | 100.00 ug/L  | Mercury (Hg).....                      | < | 0.3   | 2.00 ug/L    |
| Manganese (Mn).....   | = | 0.004 | 0.30 mg/L    | Thallium (Tl).....                     | < | 0.2   | 2.00 ug/L    |
| Cobalt (Co).....  | < | 1.    | ug/L         | Lead (Pb).....                         | < | 1.    | 15.00 ug/L   |
| Nickel (Ni).....  | = | 0.3   | 100.00 ug/L  | Thorium (Th).....                      | < | 2.    | ug/L         |
| Copper (Cu).....  | < | 5.    | 1300.00 ug/L | Uranium.....                           | < | 0.5   | 30.00 ug/L   |
| Zinc (Zn).....  | < | 5.    | 5000.00 ug/L | Calcium.....                           | = | 11.8  | mg/L         |
| Germanium.....  | < | 2.5   | ug/L         | Iron (Fe).....                         | < | 0.1   | 0.30 mg/L    |
| Arsenic (As).....   | < | 1.    | 10.00 ug/L   | Iron + Manganese (Combined, Calc)..... | = | 0.004 | 0.50 mg/L    |
| Selenium (Se).....  | < | 1.    | 50.00 ug/L   | Potassium.....                         | = | 2.    | mg/L         |
| Strontium.....  | = | 75.   | ug/L         | Magnesium.....                         | = | 3.4   | mg/L         |
| Molybdenum (Mo).....  | < | 1.    | ug/L         | Sodium (Na).....                       | = | 8.9   | mg/L         |
| Silver (Ag).....  | < | 2.5   | 100.00 ug/L  |  |   |       |              |

|  |   |     |            |  |  |  |  |
|--|---|-----|------------|--|--|--|--|
| ===== Results for Sample Group: PERCHLORATE analyzed by Suffolk County Department of Health Services ===== |   |     |            |  |  |  |  |
| Perchlorate.....   | = | 0.2 | 18.00 ug/L |  |  |  |  |

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| Result   | MCL         | Result   | MCL         |
|--|-------------|--|-------------|
| RESULTS CONTINUED FROM PRECEDING PAGE  |             |  |             |
| ===== Results for Sample Group: RADIOLOGICAL analyzed by Suffolk County Department of Health Services =====                      |             |  |             |
| Gross alpha..... < 1.  | 15.00 pCi/L | Tritium..... < 200.                            | 20000 pCi/L |
| Gross beta..... = 1.6  | 50.00 pCi/L |  |             |
| ===== Results for Sample Group: STANDARD INORGANICS analyzed by Suffolk County Department of Health Services =====               |             |  |             |
| pH-Lab..... = 6.4  | su          | Nitrate..... = 0.8                             | 10.00 mg/L  |
| Specific Conductivity-Lab..... = 152.  | um/cm       | Bromide..... < 0.5                             | mg/L        |
| Chloride (Cl)..... = 15.   | 250.00 mg/L | Orthophosphate..... < 0.5                      | mg/L        |
| Sulfate (SO <sub>4</sub> )..... = 23.  | 250.00 mg/L | Fluoride..... < 0.2                            | 2.20 mg/L   |
| Ammonia (NH <sub>3</sub> -N)..... < 0.5  | mg/L        | T. Alkalinity..... = 10.                       | mg/L        |
| Nitrite (NO <sub>2</sub> -N)..... < 0.1  | 1.00 mg/L   |  |             |
| ===== Results for Sample Group: SEMI-VOLATILE ORGANICS METHOD 525 analyzed by Suffolk County Department of Health Services ===== |             |  |             |
| 1-Methylnaphthalene..... < 0.2   | 50.00 ug/L  | Endosulfan Sulfate..... < 0.2                  | 50.00 ug/L  |
| 2-Methylnaphthalene..... < 0.2   | 50.00 ug/L  | EPC..... < 0.2                                 | 50.00 ug/L  |
| Acenaphthene..... < 0.2  | 50.00 ug/L  | Ethofumesate..... < 0.2                        | 50.00 ug/L  |
| Acenaphthylene..... < 0.2  | 50.00 ug/L  | Ethyl Parathion..... < 0.2                     | 50.00 ug/L  |
| Acetochlor..... < 0.2  | 50.00 ug/L  | Fluoranthene..... < 0.2                        | 50.00 ug/L  |
| Alachlor..... < 0.2  | 2.00 ug/L   | Fluorene..... < 0.2                            | 50.00 ug/L  |
| Allethrin..... < 0.2   | 50.00 ug/L  | Hexachlorobenzene..... < 0.1                   | 1.00 ug/L   |
| Anthracene..... < 0.5  | 50.00 ug/L  | Hexachlorocyclopentadiene..... < 0.1           | 5.00 ug/L   |
| Atrazine..... < 0.1  | 3.00 ug/L   | Hexachloroethane..... < 1.                     | 5.00 ug/L   |
| Azoxystrobin..... < 0.2  | 50.00 ug/L  | Hexazinone..... < 1.                           | 50.00 ug/L  |
| Benfluralin..... < 0.5   | 50.00 ug/L  | Indeno (1,2,3-cd) Pyrene..... < 0.2            | 50.00 ug/L  |
| Benzo (A) Anthracene..... < 0.5  | 50.00 ug/L  | Iodofenphos..... < 0.2                         | 50.00 ug/L  |
| Benzo (B) Fluoranthene..... < 0.2  | 50.00 ug/L  | Iprodione..... < 0.5                           | 50.00 ug/L  |
| Benzo (GHI) Perylene..... < 0.2  | 50.00 ug/L  | Isofenphos..... < 0.5                          | 50.00 ug/L  |
| Benzo (K) Fluoranthene..... < 0.2  | 50.00 ug/L  | Kelthane..... < 0.5                            | 50.00 ug/L  |
| Benzo (A) Pyrene..... < 0.02   | 0.20 ug/L   | Malathion..... < 0.5                           | 50.00 ug/L  |
| Benzophenone..... < 0.2  | 50.00 ug/L  | Metaxyl..... = 0.7                             | 50.00 ug/L  |
| Benzyl butyl phthalate..... < 0.2  | 50.00 ug/L  | Methoprene..... < 0.2                          | 50.00 ug/L  |
| Bis (2-ethylhexyl) adipate..... < 0.5  | 50.00 ug/L  | Methoxychlor..... < 0.1                        | 50.00 ug/L  |
| Bis (2-ethylhexyl) phthalate..... < 3.   | 6.00 ug/L   | Methyl Parathion..... < 0.2                    | 50.00 ug/L  |
| Bisphenol A..... < 0.5   | 50.00 ug/L  | Metolachlor..... < 0.2                         | 50.00 ug/L  |
| Bloc..... < 0.2  | 50.00 ug/L  | Napropamide..... < 0.2                         | 50.00 ug/L  |
| Bromacil..... < 0.5  | 50.00 ug/L  | Pendimethalin..... < 0.2                       | 5.00 ug/L   |
| Butachlor..... < 0.2   | 50.00 ug/L  | Pentachlorobenzene..... < 0.2                  | 50.00 ug/L  |
| Carbamazepine..... < 0.5   | 50.00 ug/L  | Pentachloronitrobenzene..... < 0.2             | 50.00 ug/L  |
| Carbazole..... < 0.2   | 50.00 ug/L  | Permethrin..... < 0.2                          | 50.00 ug/L  |
| Carisoprodol..... < 0.5  | 50.00 ug/L  | Phenanthrene..... < 0.2                        | 50.00 ug/L  |
| Chlordane..... < 0.2   | 2.00 ug/L   | Piperonyl butoxide..... < 0.5                  | 50.00 ug/L  |
| Chlorofenvinphos..... < 0.2  | 50.00 ug/L  | Prometon..... < 0.5                            | 50.00 ug/L  |
| Chlorothalonil..... < 1.   | 50.00 ug/L  | Prometryne..... < 0.2                          | 50.00 ug/L  |
| Chloroxylenol..... < 0.2   | 50.00 ug/L  | Propachlor..... < 0.2                          | 50.00 ug/L  |
| Chlorpyrifos..... < 0.2  | 50.00 ug/L  | Propiconazole (Tilt)..... < 0.2                | 50.00 ug/L  |
| Chrysene..... < 0.2  | 50.00 ug/L  | Pyrene..... < 0.5                              | 50.00 ug/L  |
| Cyfluthrin..... < 0.2  | 50.00 ug/L  | Resmethrin..... < 0.2                          | 50.00 ug/L  |
| Cypermethrin..... < 0.5  | 50.00 ug/L  | Ronstar..... < 0.2                             | 50.00 ug/L  |
| Dacthal..... < 0.2   | 50.00 ug/L  | Simazine..... < 0.07                           | 4.00 ug/L   |
| Deltamethrin..... < 0.5  | 50.00 ug/L  | Sumithrin..... < 0.2                           | 50.00 ug/L  |
| Dibenzo (A,H) Anthracene..... < 0.2  | 50.00 ug/L  | Tebuthiuron..... < 0.5                         | 50.00 ug/L  |
| Dibutyl Phthalate..... < 1.  | 50.00 ug/L  | Terbacil..... < 0.5                            | 50.00 ug/L  |
| Dichlobenil..... < 0.2   | 50.00 ug/L  | Triadimefon..... < 0.5                         | 50.00 ug/L  |
| Dichlorvos..... < 0.5  | 50.00 ug/L  | Triclosan..... < 0.5                           | 50.00 ug/L  |
| Dieldrin..... < 0.2  | 50.00 ug/L  | Trifluralin..... < 0.5                         | 50.00 ug/L  |
| Diethyl phthalate..... < 1.  | 50.00 ug/L  | Vinclozolin..... < 0.5                         | 50.00 ug/L  |
| Diethyltoluamide (DEET)..... < 0.2   | 50.00 ug/L  | Total Triazines + Metabolites (Calc)..... < 0. | 4.00 ug/L   |
| Dimethyl phthalate..... < 0.2  | 50.00 ug/L  | Etofenprox..... < 0.2                          | 50.00 ug/L  |
| Diethyl Phthalate..... < 0.2   | 50.00 ug/L  | Etofenprox alpha-CO..... < 0.2                 | 50.00 ug/L  |
| Disulfoton..... < 0.5  | 50.00 ug/L  | Prallethrin..... < 0.2                         | 50.00 ug/L  |
| Disulfoton sulfone..... < 0.2  | 50.00 ug/L  |  |             |
| ===== Results for Sample Group: SURFACTANTS analyzed by Suffolk County Department of Health Services =====                       |             |  |             |
| Surfactants-MBAS..... < 0.1  | mg/L        |  |             |

Requestor Name: JOHN C. EHLERS LAND SURVEYOR  
 Location: ORCHARD STREET, ORIENT  
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| Result   |   |     |       |      | MCL                                 | Result |     |       |      |  | MCL |
|--|---|-----|-------|------|-------------------------------------|--------|-----|-------|------|--|-----|
| RESULTS CONTINUED FROM PRECEDING PAGE  |   |     |       |      |                                     |        |     |       |      |  |     |
| ===== Results for Sample Group: VOLATILE ORGANICS analyzed by Suffolk County Department of Health Services ===== |   |     |       |      |                                     |        |     |       |      |  |     |
| Chlorodifluoromethane.....   | < | 0.5 | 5.00  | ug/L | Ethylbenzene.....                   | <      | 0.5 | 5.00  | ug/L |  |     |
| Dichlorodifluoromethane.....   | < | 0.5 | 5.00  | ug/L | o-Xylene.....                       | <      | 0.5 | 5.00  | ug/L |  |     |
| Chloroethane.....  | < | 0.5 | 5.00  | ug/L | m & p-Xylene.....                   | <      | 0.5 | 5.00  | ug/L |  |     |
| Bromomethane.....  | < | 0.5 | 5.00  | ug/L | Total Xylenes.....                  | <      | 0.5 | 5.00  | ug/L |  |     |
| Chloromethane.....   | < | 0.5 | 5.00  | ug/L | 2-Chlorotoluene.....                | <      | 0.5 | 5.00  | ug/L |  |     |
| Trichlorofluoromethane.....  | < | 0.5 | 5.00  | ug/L | 4-Chlorotoluene.....                | <      | 0.5 | 5.00  | ug/L |  |     |
| Vinyl Chloride.....  | < | 0.5 | 2.00  | ug/L | Diethyl Ether.....                  | <      | 0.5 | 50.00 | ug/L |  |     |
| Methylene Chloride.....  | < | 0.5 | 5.00  | ug/L | Acrylonitrile.....                  | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,1 Dichloroethane.....  | < | 0.5 | 5.00  | ug/L | Ethyl Methacrylate.....             | <      | 0.5 | 50.00 | ug/L |  |     |
| trans 1,2 Dichloroethene.....  | < | 0.5 | 5.00  | ug/L | 1,3,5 Trimethylbenzene.....         | <      | 0.5 | 5.00  | ug/L |  |     |
| Chloroform.....  | < | 0.5 | 80.00 | ug/L | 1,2,4 Trimethylbenzene.....         | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,2 Dichloroethane.....  | < | 0.5 | 5.00  | ug/L | 1,2 Dichlorobenzene (o).....        | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,1,1 Trichloroethane.....   | < | 0.5 | 5.00  | ug/L | 1,3-Dichlorobenzene (m).....        | <      | 0.5 | 5.00  | ug/L |  |     |
| Carbon Tetrachloride.....  | < | 0.5 | 5.00  | ug/L | 1,4-Dichlorobenzene (p).....        | <      | 0.5 | 5.00  | ug/L |  |     |
| 1-Bromo-2-Chloroethane.....  | < | 0.5 | 5.00  | ug/L | p-Diethylbenzene.....               | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,2 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | 1,2,4,5 Tetramethylbenzene.....     | <      | 0.5 | 5.00  | ug/L |  |     |
| Trichloroethene.....   | < | 0.5 | 5.00  | ug/L | 1,2,4 Trichlorobenzene.....         | <      | 0.5 | 5.00  | ug/L |  |     |
| Chlorodibromomethane.....  | < | 0.5 | 80.00 | ug/L | 1,2,3 Trichlorobenzene.....         | <      | 0.5 | 5.00  | ug/L |  |     |
| 2-Bromo-1-Chloropropane.....   | < | 0.5 | 5.00  | ug/L | Ethynylbenzene (Styrene).....       | <      | 0.5 | 5.00  | ug/L |  |     |
| Bromoform.....   | < | 0.5 | 80.00 | ug/L | Isopropylbenzene.....               | <      | 0.5 | 5.00  | ug/L |  |     |
| cis-1,2-Dichloroethene.....  | < | 0.5 | 5.00  | ug/L | n-Propylbenzene.....                | <      | 0.5 | 5.00  | ug/L |  |     |
| Freon 113.....   | < | 0.5 | 5.00  | ug/L | tert-Butylbenzene.....              | <      | 0.5 | 5.00  | ug/L |  |     |
| Dibromomethane.....  | < | 0.5 | 5.00  | ug/L | sec-Butylbenzene.....               | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,1 Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | p-Isopropyltoluene.....             | <      | 0.5 | 5.00  | ug/L |  |     |
| Methyl Isothiocyanate.....   | < | 2.  | 50.00 | ug/L | n-Butylbenzene.....                 | <      | 0.5 | 5.00  | ug/L |  |     |
| Carbon Disulfide.....  | < | 0.5 |       | ug/L | Hexachlorobutadiene.....            | <      | 0.5 | 5.00  | ug/L |  |     |
| Methyl Methacrylate.....   | < | 0.5 | 50.00 | ug/L | Methyl-Tert-Butyl-Ether (MTBE)..... | <      | 0.5 | 10.00 | ug/L |  |     |
| Bromodichloromethane.....  | < | 0.5 | 80.00 | ug/L | Napthalene.....                     | <      | 0.5 | 50.00 | ug/L |  |     |
| 2,3 Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | 1,4-Dichlorobutane.....             | <      | 0.5 | 5.00  | ug/L |  |     |
| cis-1,3-Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | Methyl Sulfide.....                 | <      | 0.5 | 50.00 | ug/L |  |     |
| trans-1,3-Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | Dimethyldisulfide.....              | <      | 0.5 | 50.00 | ug/L |  |     |
| 1,1,2 Trichloroethane.....   | < | 0.5 | 5.00  | ug/L | Bromobenzene.....                   | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,1,1,2 Tetrachloroethane.....   | < | 0.5 | 5.00  | ug/L | 2-Butanone (MEK).....               | <      | 20. | 50.00 | ug/L |  |     |
| 1,1,2,2-Tetrachloroethane.....   | < | 0.5 | 5.00  | ug/L | Tetrahydrofuran.....                | <      | 20. | 50.00 | ug/L |  |     |
| 1,2,3 Trichloropropane.....  | < | 0.5 | 5.00  | ug/L | Allyl chloride.....                 | <      | 0.5 | 5.00  | ug/L |  |     |
| 2,2 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | Methacrylonitrile.....              | <      | 0.5 | 5.00  | ug/L |  |     |
| 1,3 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | d-Limonene.....                     | <      | 0.5 | 50.00 | ug/L |  |     |
| Bromochloromethane.....  | < | 0.5 | 5.00  | ug/L | Propanal.....                       | <      | 15. | 50.00 | ug/L |  |     |
| Benzene.....   | < | 0.5 | 5.00  | ug/L | Isobutane.....                      | <      | 2.  | 50.00 | ug/L |  |     |
| Toluene.....   | < | 0.5 | 5.00  | ug/L | n-Butane.....                       | <      | 2.  | 50.00 | ug/L |  |     |
| Chlorobenzene.....   | < | 0.5 | 5.00  | ug/L |                                     |        |     |       |      |  |     |

## SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES - WATER ANALYSIS

A-83

Requestor Name: JOHN C. EHLERS LAND SURVEYOR  
 Location: ORCHARD STREET, ORIENT  
 Sample Location: S-133850T W#1  
 Treatment: NONE

Request No.: PR15-0282  
 Sample Date: 11/17/2015  
 Sanitarian: KRAKOWSKI  
 Field No.: 367-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO<sub>3</sub>. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

| Result MCL  |   |       |              | Result MCL                             |   |       |              |
|---|---|-------|--------------|--|---|-------|--------------|
| ===== Results for Sample Group: ALDICARB PESTICIDES analyzed by Suffolk County Department of Health Services =====    |   |       |              | =====                                  |   |       |              |
| Total Aldicarb (calc).....  | < | 0.    | ug/L         | Carbaryl.....                          | < | 0.5   | 50.00 ug/L   |
| Aldicarb.....   | < | 0.5   | 3.00 ug/L    | 1-Naphthol.....                        | < | 0.5   | 50.00 ug/L   |
| Aldicarb-Sulfoxide.....   | < | 0.5   | 4.00 ug/L    | Methomyl.....                          | < | 0.5   | 50.00 ug/L   |
| Aldicarb-Sulfone.....   | < | 0.5   | 2.00 ug/L    | Propoxur (Baygon).....                 | < | 0.5   | 50.00 ug/L   |
| Carbofuran.....   | < | 0.5   | 40.00 ug/L   | Methiocarb.....                        | < | 0.5   | 50.00 ug/L   |
| 3-Hydroxycarbofuran.....  | < | 0.5   | 50.00 ug/L   | Methiocarb sulfone.....                | < | 0.5   | 50.00 ug/L   |
| Oxamyl.....   | < | 0.5   | 50.00 ug/L   |  |   |       |              |
| ===== Results for Sample Group: CHLORINATED PESTICIDES analyzed by Suffolk County Department of Health Services ===== |   |       |              | =====                                  |   |       |              |
| alpha-BHC.....  | < | 0.2   | 5.00 ug/L    | 4,4-DDD.....                           | < | 0.2   | 5.00 ug/L    |
| beta-BHC.....   | < | 0.2   | 5.00 ug/L    | 4,4-DDT.....                           | < | 0.2   | 5.00 ug/L    |
| gamma-BHC (Lindane).....  | < | 0.02  | 0.20 ug/L    | Endrin.....                            | < | 0.01  | 2.00 ug/L    |
| delta-BHC.....  | < | 0.2   | 5.00 ug/L    | Chlordane.....                         | < | 0.2   | 2.00 ug/L    |
| Heptachlor.....   | < | 0.04  | 0.40 ug/L    | Alachlor.....                          | < | 0.2   | 2.00 ug/L    |
| Heptachlor epoxide.....   | < | 0.02  | 0.20 ug/L    | Methoxychlor.....                      | < | 0.1   | 40.00 ug/L   |
| Aldrin.....   | < | 0.2   | 5.00 ug/L    | Endosulfan II.....                     | < | 0.2   | 5.00 ug/L    |
| Dieldrin.....   | < | 0.2   | 50.00 ug/L   | Endosulfan Sulfate.....                | < | 0.2   | 50.00 ug/L   |
| Endosulfan I.....   | < | 0.2   | 5.00 ug/L    | 1,2-dibromoethane.....                 | < | 0.01  | 0.05 ug/L    |
| Dacthal.....  | < | 0.2   | 50.00 ug/L   | 1,2-dibromo-3-chloropropane.....       | < | 0.02  | 0.20 ug/L    |
| 4,4-DDE.....  | < | 0.2   | 50.00 ug/L   |  |   |       |              |
| ===== Results for Sample Group: DACTHAL PESTICIDES analyzed by Suffolk County Department of Health Services =====     |   |       |              | =====                                  |   |       |              |
| Monomethyltetrachloroterephthalate.....   | < | 5.    | 50.00 ug/L   | Tetrachloroterephthalic acid.....      | < | 5.    | 50.00 ug/L   |
| ===== Results for Sample Group: DIOXANE analyzed by Suffolk County Department of Health Services =====                |   |       |              | =====                                  |   |       |              |
| 1,4-Dioxane.....  | < | 0.2   | 50.00 ug/L   |  |   |       |              |
| ===== Results for Sample Group: HERBICIDE METABOLITES analyzed by Suffolk County Department of Health Services =====  |   |       |              | =====                                  |   |       |              |
| Didealkylatrazine (G-28273).....  | < | 0.8   | 50.00 ug/L   | Metolachlor.....                       | < | 0.2   | 50.00 ug/L   |
| Deisopropylatrazine (G-28279).....  | < | 0.2   | 50.00 ug/L   | Tebuthiuron.....                       | < | 0.3   | 50.00 ug/L   |
| Desethylatrazine (G-30033).....   | < | 0.4   | 50.00 ug/L   | Caffeine.....                          | < | 0.2   | 50.00 ug/L   |
| Imidacloprid.....   | < | 0.2   | 50.00 ug/L   | Dinoseb.....                           | < | 0.3   | 7.00 ug/L    |
| Imidacloprid Urea.....  | < | 0.2   | 50.00 ug/L   | Bisphenol A.....                       | < | 0.2   | 50.00 ug/L   |
| Alachlor OA (Oxanilic Acid).....  | < | 0.4   | 50.00 ug/L   | Diuron.....                            | < | 0.2   | 50.00 ug/L   |
| Alachlor ESA (Sulfonic Acid).....   | < | 0.2   | 50.00 ug/L   | Phenytion (Dilantin).....              | < | 0.2   | 50.00 ug/L   |
| Metolachlor metabolite (CGA-37735).....   | < | 0.2   | 50.00 ug/L   | 4-Hydroxyphenytion.....                | < | 0.5   | 50.00 ug/L   |
| Metolachlor OA (CGA-51202).....   | < | 0.3   | 50.00 ug/L   | Diethyltoluamide (DEET).....           | < | 0.2   | 50.00 ug/L   |
| Metolachlor ESA (CGA-354743).....   | < | 0.3   | 50.00 ug/L   | Acetaminophen.....                     | < | 0.2   | 50.00 ug/L   |
| Metolachlor metabolite (CGA-41638).....   | < | 0.3   | 50.00 ug/L   | Bisphenol B.....                       | < | 0.2   | 50.00 ug/L   |
| Metolachlor metabolite (CGA-40172).....   | < | 0.3   | 50.00 ug/L   | Estrone.....                           | < | 0.2   | 50.00 ug/L   |
| Metolachlor metabolite (CGA-67125).....   | < | 0.3   | 50.00 ug/L   | 17 alpha Ethynylestradiol.....         | < | 0.5   | 50.00 ug/L   |
| 2-Hydroxyatrazine (G-34048).....  | < | 0.3   | 50.00 ug/L   | Diethylstilbestrol.....                | < | 0.5   | 50.00 ug/L   |
| Malaonox.....   | < | 0.2   | 50.00 ug/L   | 17 beta Estradiol.....                 | < | 0.5   | 50.00 ug/L   |
| Trichlorfon.....  | < | 0.3   | 50.00 ug/L   | 4-Androstene-3,17-dione.....           | < | 2.    | 50.00 ug/L   |
| Siduron.....  | < | 0.3   | 50.00 ug/L   | Picaridin.....                         | < | 2.    | 50.00 ug/L   |
| Dichlorvos.....   | < | 0.6   | 50.00 ug/L   | Propachlor ESA.....                    | < | 0.2   | 50.00 ug/L   |
| Propamocarb hydrochloride.....  | < | 0.3   | 50.00 ug/L   | Propachlor OA.....                     | < | 0.3   | 5.00 ug/L    |
| 2,6-Dichlorobenzamide.....  | < | 0.5   | 50.00 ug/L   | Testosterone.....                      | < | 0.3   | 50.00 ug/L   |
| Ibuprofen.....  | < | 0.2   | 50.00 ug/L   | Equilin.....                           | < | 0.7   | 50.00 ug/L   |
| Gemfibrozil.....  | < | 0.4   | 50.00 ug/L   | Estriol.....                           | < | 0.7   | 50.00 ug/L   |
| Metalaxyl.....  | = | 0.2   | 50.00 ug/L   |  |   |       |              |
| ===== Results for Sample Group: METALS analyzed by Suffolk County Department of Health Services =====                 |   |       |              | =====                                  |   |       |              |
| Lithium.....  | < | 1.    | ug/L         | Cadmium (Cd).....                      | < | 1.    | 5.00 ug/L    |
| Beryllium (Be).....   | < | 0.2   | 4.00 ug/L    | Tin.....                               | < | 0.5   | ug/L         |
| Aluminum (Al).....  | < | 5.    | ug/L         | Antimony (Sb).....                     | < | 0.2   | 6.00 ug/L    |
| Titanium (Ti).....  | < | 1.    | ug/L         | Tellurium.....                         | < | 0.5   | ug/L         |
| Vanadium (V).....   | < | 1.    | ug/L         | Barium (Ba).....                       | = | 31.   | 2000.00 ug/L |
| Chromium (Cr).....  | < | 1.    | 100.00 ug/L  | Mercury (Hg).....                      | < | 0.3   | 2.00 ug/L    |
| Manganese (Mn).....   | = | 0.005 | 0.30 mg/L    | Thallium (Tl).....                     | < | 0.2   | 2.00 ug/L    |
| Cobalt (Co).....  | < | 1.    | ug/L         | Lead (Pb).....                         | < | 1.    | 15.00 ug/L   |
| Nickel (Ni).....  | < | 0.2   | 100.00 ug/L  | Thorium (Th).....                      | < | 2.    | ug/L         |
| Copper (Cu).....  | < | 5.    | 1300.00 ug/L | Uranium.....                           | < | 0.5   | 30.00 ug/L   |
| Zinc (Zn).....  | < | 5.    | 5000.00 ug/L | Calcium.....                           | = | 12.2  | mg/L         |
| Germanium.....  | < | 2.5   | ug/L         | Iron (Fe).....                         | < | 0.1   | 0.30 mg/L    |
| Arsenic (As).....   | < | 1.    | 10.00 ug/L   | Iron + Manganese (Combined, Calc)..... | = | 0.005 | 0.50 mg/L    |
| Selenium (Se).....  | < | 1.    | 50.00 ug/L   | Potassium.....                         | = | 3.9   | mg/L         |
| Strontium.....  | = | 94.   | ug/L         | Magnesium.....                         | = | 3.1   | mg/L         |
| Molybdenum (Mo).....  | < | 1.    | ug/L         | Sodium (Na).....                       | = | 24.   | mg/L         |
| Silver (Ag).....  | < | 2.5   | 100.00 ug/L  |  |   |       |              |
| ===== Results for Sample Group: PERCHLORATE analyzed by Suffolk County Department of Health Services =====            |   |       |              | =====                                  |   |       |              |
| Perchlorate.....  | = | 4.7   | 18.00 ug/L   |  |   |       |              |

RESULTS CONTINUED ON NEXT PAGE....

Requestor Name: JOHN C. EHLERS LAND SURVEYOR  
 Location: ORCHARD STREET, ORIENT  
 Sample Location: S-133850T W#1  
 Treatment: NONE

Request No.: PR15-0282  
 Sample Date: 11/17/2015  
 Sanitarian: KRAKOWSKI  
 Field No.: 367-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO<sub>3</sub>. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

|   | Result | MCL         |              | Result | MCL         |
|---|--------|-------------|--------------|--------|-------------|
| RESULTS CONTINUED FROM PRECEDING PAGE   |        |             |              |        |             |
| ===== Results for Sample Group: RADIOLOGICAL analyzed by Suffolk County Department of Health Services ===== |        |             |              |        |             |
| Gross alpha.....  | < 1.   | 15.00 pCi/L | Tritium..... | < 200. | 20000 pCi/L |
| Gross beta.....   | = 3.4  | 50.00 pCi/L |              |        |             |

|  | Result | MCL         |                     | Result | MCL        |
|--|--------|-------------|---------------------|--------|------------|
| ===== Results for Sample Group: STANDARD INORGANICS analyzed by Suffolk County Department of Health Services ===== |        |             |                     |        |            |
| pH-Lab.....  | = 6.4  | su          | Nitrate.....        | = 3.7  | 10.00 mg/L |
| Specific Conductivity-Lab.....   | = 234. | um/cm       | Bromide.....        | < 0.5  | mg/L       |
| Chloride (Cl).....   | = 34.  | 250.00 mg/L | Orthophosphate..... | < 0.5  | mg/L       |
| Sulfate (SO <sub>4</sub> ).....  | = 17.  | 250.00 mg/L | Fluoride.....       | < 0.2  | 2.20 mg/L  |
| Ammonia (NH <sub>3</sub> -N).....  | < 0.5  | mg/L        | T. Alkalinity.....  | = 15.  | mg/L       |
| Nitrite (NO <sub>2</sub> -N).....  | < 0.1  | 1.00 mg/L   |                     |        |            |

|  | Result | MCL        |   | Result | MCL        |
|--|--------|------------|---|--------|------------|
| ===== Results for Sample Group: SEMI-VOLATILE ORGANICS METHOD 525 analyzed by Suffolk County Department of Health Services ===== |        |            |   |        |            |
| 1-Methylnaphthalene.....   | < 0.2  | 50.00 ug/L | Endosulfan Sulfate.....                   | < 0.2  | 50.00 ug/L |
| 2-Methylnaphthalene.....   | < 0.2  | 50.00 ug/L | EPTC.....                                 | < 0.2  | 50.00 ug/L |
| Acenaphthene.....  | < 0.2  | 50.00 ug/L | Ethofumesate.....                         | < 0.2  | 50.00 ug/L |
| Acenaphthylene.....  | < 0.2  | 50.00 ug/L | Ethyl Parathion.....                      | < 0.2  | 50.00 ug/L |
| Acetochlor.....  | < 0.2  | 50.00 ug/L | Fluoranthene.....                         | < 0.2  | 50.00 ug/L |
| Alachlor.....  | < 0.2  | 2.00 ug/L  | Fluorene.....                             | < 0.2  | 50.00 ug/L |
| Allethrin.....   | < 0.2  | 50.00 ug/L | Hexachlorobenzene.....                    | < 0.1  | 1.00 ug/L  |
| Anthracene.....  | < 0.5  | 50.00 ug/L | Hexachlorocyclopentadiene.....            | < 0.1  | 5.00 ug/L  |
| Atrazine.....  | < 0.1  | 3.00 ug/L  | Hexachloroethane.....                     | < 1.   | 5.00 ug/L  |
| Azoxystrobin.....  | < 0.2  | 50.00 ug/L | Hexazinone.....                           | < 1.   | 50.00 ug/L |
| Benfluralin.....   | < 0.5  | 50.00 ug/L | Indeno (1,2,3-cd) Pyrene.....             | < 0.2  | 50.00 ug/L |
| Benzo (A) Anthracene.....  | < 0.5  | 50.00 ug/L | Iodofenphos.....                          | < 0.2  | 50.00 ug/L |
| Benzo (B) Fluoranthene.....  | < 0.2  | 50.00 ug/L | Iprodione.....                            | < 0.5  | 50.00 ug/L |
| Benzo (GHI) Perylene.....  | < 0.2  | 50.00 ug/L | Isofenphos.....                           | < 0.5  | 50.00 ug/L |
| Benzo (K) Fluoranthene.....  | < 0.2  | 50.00 ug/L | Kelthane.....                             | < 0.5  | 50.00 ug/L |
| Benzo (A) Pyrene.....  | < 0.02 | 0.20 ug/L  | Malathion.....                            | < 0.5  | 50.00 ug/L |
| Benzophenone.....  | < 0.2  | 50.00 ug/L | Metalaxyl.....                            | = 0.2  | 50.00 ug/L |
| Benzyl butyl phthalate.....  | < 0.2  | 50.00 ug/L | Methoprene.....                           | < 0.2  | 50.00 ug/L |
| Bis (2-ethylhexyl) adipate.....  | < 0.5  | 50.00 ug/L | Methoxychlor.....                         | < 0.1  | 50.00 ug/L |
| Bis (2-ethylhexyl) phthalate.....  | < 3.   | 6.00 ug/L  | Methyl Parathion.....                     | < 0.2  | 50.00 ug/L |
| Bisphenol A.....   | < 0.5  | 50.00 ug/L | Metolachlor.....                          | < 0.2  | 50.00 ug/L |
| Bloc.....  | < 0.2  | 50.00 ug/L | Napropamide.....                          | < 0.2  | 50.00 ug/L |
| Bromacil.....  | < 0.5  | 50.00 ug/L | Pendimethalin.....                        | < 0.2  | 5.00 ug/L  |
| Butachlor.....   | < 0.2  | 50.00 ug/L | Pentachlorobenzene.....                   | < 0.2  | 50.00 ug/L |
| Carbamazepine.....   | < 0.5  | 50.00 ug/L | Pentachloronitrobenzene.....              | < 0.2  | 50.00 ug/L |
| Carbazole.....   | < 0.2  | 50.00 ug/L | Permethrin.....                           | < 0.2  | 50.00 ug/L |
| Carisoprodol.....  | < 0.5  | 50.00 ug/L | Phenanthrene.....                         | < 0.2  | 50.00 ug/L |
| Chlordane.....   | < 0.2  | 2.00 ug/L  | Piperonyl butoxide.....                   | < 0.5  | 50.00 ug/L |
| Chlorofenvinphos.....  | < 0.2  | 50.00 ug/L | Prometon.....                             | < 0.5  | 50.00 ug/L |
| Chlorothalonil.....  | < 1.   | 50.00 ug/L | Prometryne.....                           | < 0.2  | 50.00 ug/L |
| Chloroxylenol.....   | < 0.2  | 50.00 ug/L | Propachlor.....                           | < 0.2  | 50.00 ug/L |
| Chlorpyrifos.....  | < 0.2  | 50.00 ug/L | Propiconazole (Tilt).....                 | < 0.2  | 50.00 ug/L |
| Chrysene.....  | < 0.2  | 50.00 ug/L | Pyrene.....                               | < 0.5  | 50.00 ug/L |
| Cyfluthrin.....  | < 0.2  | 50.00 ug/L | Resmethrin.....                           | < 0.2  | 50.00 ug/L |
| Cypermethrin.....  | < 0.5  | 50.00 ug/L | Ronstar.....                              | < 0.2  | 50.00 ug/L |
| Dacthal.....   | < 0.2  | 50.00 ug/L | Simazine.....                             | < 0.07 | 4.00 ug/L  |
| Deltamethrin.....  | < 0.5  | 50.00 ug/L | Sumithrin.....                            | < 0.2  | 50.00 ug/L |
| Dibenzo (A,H) Anthracene.....  | < 0.2  | 50.00 ug/L | Tebuthiuron.....                          | < 0.5  | 50.00 ug/L |
| Dibutyl Phthalate.....   | < 1.   | 50.00 ug/L | Terbacil.....                             | < 0.5  | 50.00 ug/L |
| Dichlobenil.....   | < 0.2  | 50.00 ug/L | Triadimefon.....                          | < 0.5  | 50.00 ug/L |
| Dichlorvos.....  | < 0.5  | 50.00 ug/L | Triclosan.....                            | < 0.5  | 50.00 ug/L |
| Dieldrin.....  | < 0.2  | 50.00 ug/L | Trifluralin.....                          | < 0.5  | 50.00 ug/L |
| Diethyl phthalate.....   | < 1.   | 50.00 ug/L | Vinclozolin.....                          | < 0.5  | 50.00 ug/L |
| Diethyltoluamide (DEET).....   | < 0.2  | 50.00 ug/L | Total Triazines + Metabolites (Calc)..... | < 0.   | 4.00 ug/L  |
| Dimethyl phthalate.....  | < 0.2  | 50.00 ug/L | Etofenprox.....                           | < 0.2  | 50.00 ug/L |
| Diocetyl Phthalate.....  | < 0.2  | 50.00 ug/L | Etofenprox alpha-CO.....                  | < 0.2  | 50.00 ug/L |
| Disulfoton.....  | < 0.5  | 50.00 ug/L | Prallethrin.....                          | < 0.2  | 50.00 ug/L |
| Disulfoton sulfone.....  | < 0.2  | 50.00 ug/L |   |        |            |

|  | Result | MCL  |
|--|--------|------|
| ===== Results for Sample Group: SURFACTANTS analyzed by Suffolk County Department of Health Services ===== |        |      |
| Surfactants-MBAS.....  | < 0.1  | mg/L |

Requestor Name: JOHN C. EHLERS LAND SURVEYOR  
 Location: ORCHARD STREET, ORIENT  
 Sample Location: S-133850T W#1  
 Treatment: NONE

Request No.: PR15-0282  
 Sample Date: 11/17/2015  
 Sanitarian: KRAKOWSKI  
 Field No.: 367-847-15-11-17

Notes: '<' symbol means "less than" indicating no detection. mg/L = milligrams per liter; ug/L = micrograms per liter. Alkalinity is reported as mg/L as CaCO<sub>3</sub>. '\*' symbol means level found exceeds the maximum contaminant level (MCL), or action level for lead and copper. Moderately restricted sodium diet should not exceed 270 mg/L. Severely restricted should not exceed 20 mg/L. The MCL for nickel is a proposed limit. Any MCL's not shown below have not been established.

| Result   |   |     |       |      | MCL                                 |   | Result |       |      |  |  | MCL |  |
|--|---|-----|-------|------|-------------------------------------|---|--------|-------|------|--|--|-----|--|
| RESULTS CONTINUED FROM PRECEDING PAGE  |   |     |       |      |                                     |   |        |       |      |  |  |     |  |
| ===== Results for Sample Group: VOLATILE ORGANICS analyzed by Suffolk County Department of Health Services ===== |   |     |       |      |                                     |   |        |       |      |  |  |     |  |
| Chlorodifluoromethane.....   | < | 0.5 | 5.00  | ug/L | Ethylbenzene.....                   | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Dichlorodifluoromethane.....   | < | 0.5 | 5.00  | ug/L | o-Xylene.....                       | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Chloroethane.....  | < | 0.5 | 5.00  | ug/L | m & p-Xylene.....                   | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Bromomethane.....  | < | 0.5 | 5.00  | ug/L | Total Xylenes.....                  | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Chloromethane.....   | < | 0.5 | 5.00  | ug/L | 2-Chlorotoluene.....                | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Trichlorofluoromethane.....  | < | 0.5 | 5.00  | ug/L | 4-Chlorotoluene.....                | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Vinyl Chloride.....  | < | 0.5 | 2.00  | ug/L | Diethyl Ether.....                  | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| Methylene Chloride.....  | < | 0.5 | 5.00  | ug/L | Acrylonitrile.....                  | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,1 Dichloroethane.....  | < | 0.5 | 5.00  | ug/L | Ethyl Methacrylate.....             | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| trans 1,2 Dichloroethene.....  | < | 0.5 | 5.00  | ug/L | 1,3,5 Trimethylbenzene.....         | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Chloroform.....  | < | 0.5 | 80.00 | ug/L | 1,2,4 Trimethylbenzene.....         | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,2 Dichloroethane.....  | < | 0.5 | 5.00  | ug/L | 1,2 Dichlorobenzene (o).....        | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,1,1 Trichloroethane.....   | < | 0.5 | 5.00  | ug/L | 1,3-Dichlorobenzene (m).....        | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Carbon Tetrachloride.....  | < | 0.5 | 5.00  | ug/L | 1,4-Dichlorobenzene (p).....        | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1-Bromo-2-Chloroethane.....  | < | 0.5 | 5.00  | ug/L | p-Diethylbenzene.....               | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,2 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | 1,2,4,5 Tetramethylbenzene.....     | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Trichloroethene.....   | < | 0.5 | 5.00  | ug/L | 1,2,4 Trichlorobenzene.....         | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Chlorodibromomethane.....  | < | 0.5 | 80.00 | ug/L | 1,2,3 Trichlorobenzene.....         | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 2-Bromo-1-Chloropropane.....   | < | 0.5 | 5.00  | ug/L | Ethenylbenzene (Styrene).....       | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Bromoform.....   | < | 0.5 | 80.00 | ug/L | Isopropylbenzene.....               | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| cis-1,2-Dichloroethene.....  | < | 0.5 | 5.00  | ug/L | n-Propylbenzene.....                | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Freon 113.....   | < | 0.5 | 5.00  | ug/L | tert-Butylbenzene.....              | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Dibromomethane.....  | < | 0.5 | 5.00  | ug/L | sec-Butylbenzene.....               | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,1 Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | p-Isopropyltoluene.....             | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Methyl Isothiocyanate.....   | < | 2.  | 50.00 | ug/L | n-Butylbenzene.....                 | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Carbon Disulfide.....  | < | 0.5 |       | ug/L | Hexachlorobutadiene.....            | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| Methyl Methacrylate.....   | < | 0.5 | 50.00 | ug/L | Methyl-Tert-Butyl-Ether (MTBE)..... | < | 0.5    | 10.00 | ug/L |  |  |     |  |
| Bromodichloromethane.....  | < | 0.5 | 80.00 | ug/L | Naphthalene.....                    | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| 2,3 Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | 1,4-Dichlorobutane.....             | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| cis-1,3-Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | Methyl Sulfide.....                 | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| trans-1,3-Dichloropropene.....   | < | 0.5 | 5.00  | ug/L | Dimethyldisulfide.....              | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| 1,1,2 Trichloroethane.....   | < | 0.5 | 5.00  | ug/L | Bromobenzene.....                   | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,1,1,2 Tetrachloroethane.....   | < | 0.5 | 5.00  | ug/L | 2-Butanone (MEK).....               | < | 20.    | 50.00 | ug/L |  |  |     |  |
| 1,1,1,2,2-Tetrachloroethane.....   | < | 0.5 | 5.00  | ug/L | Tetrahydrofuran.....                | < | 20.    | 50.00 | ug/L |  |  |     |  |
| 1,2,3 Trichloropropane.....  | < | 0.5 | 5.00  | ug/L | Allyl chloride.....                 | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 2,2 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | Methacrylonitrile.....              | < | 0.5    | 5.00  | ug/L |  |  |     |  |
| 1,3 Dichloropropane.....   | < | 0.5 | 5.00  | ug/L | d-Limonene.....                     | < | 0.5    | 50.00 | ug/L |  |  |     |  |
| Bromochloromethane.....  | < | 0.5 | 5.00  | ug/L | Propanal.....                       | < | 15.    | 50.00 | ug/L |  |  |     |  |
| Benzene.....   | < | 0.5 | 5.00  | ug/L | Isobutane.....                      | < | 2.     | 50.00 | ug/L |  |  |     |  |
| Toluene.....   | < | 0.5 | 5.00  | ug/L | n-Butane.....                       | < | 2.     | 50.00 | ug/L |  |  |     |  |
| Chlorobenzene.....   | < | 0.5 | 5.00  | ug/L |                                     |   |        |       |      |  |  |     |  |